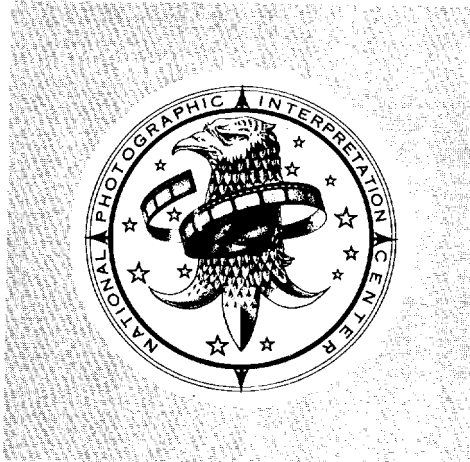


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION III7

IPIR NUMBER 2

MISSION III7-2 OAK

27-31 MAY 1972

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TCS-21295/72

JUNE 1972

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WARNING

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TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)

Missile Ranges: Air-Launched Missile Facilities (Q)

Missile Ranges: Naval-Launched Missile Facilities (R)

Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)

Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (O)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non-Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M)

Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS OAK REPORT ON MISSION 1117-2 PROVIDES INFORMATION ON ALL A
AND B PRIORITY COMIREX TARGETS OBSERVED ON PHOTOGRAPHY. FOR
ADDITIONAL PREFACE DETAILS SEE OAK REPORT 1117-1.

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HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

ICBM COMPLEXES

1. FOURTEEN OF THE 24 ICBM COMPLEXES WERE AT LEAST PARTIALLY OBSERVED ON PHOTOGRAPHY OF POOR-TO-GOOD INTERPRETABILITY. NO NEW SILO CONSTRUCTION WAS OBSERVED.

OF THE SIX SS-9 COMPLEXES, THE ALEYSK AND ZHANGIZ-TOBE COMPLEXES AND THEIR SEARCH AREAS WERE COMPLETELY OBSERVED WHILE THE DOMBAROVSKIY AND KARTALY COMPLEXES AND SEARCH AREAS WERE PARTIALLY OBSERVED.

EIGHT OF THE 25 KNOWN DEPLOYED TYPE IIIF LAUNCH SITES WERE OBSERVED WITH NO SIGNIFICANT CHANGE. ALL FIVE TYPE IIIF SITES WERE OBSERVED AT ZHANGIZ-TOBE, TWO AT DOMBAROVSKIY AND ONE AT KARTALY. TWO MORE COULD BE IDENTIFIED ONLY AT KARTALY.

THE AREA OF UNIDENTIFIED ACTIVITY AT THE ZHANGIZ-TOBE COMPLEX WAS OBSERVED BUT CONSTRUCTION HAD STILL NOT ADVANCED SUFFICIENTLY TO DETERMINE THE FUNCTION OF THIS AREA. POSSIBLE CONSTRUCTION MATERIALS WERE NEAR THE APPARENTLY SHALLOW, NEARLY RECTANGULAR EXCAVATION.

THE OLOVYANNAYA SS-11 COMPLEX AND SEARCH AREA WERE COMPLETELY OBSERVED WHILE PORTIONS OF THE KOSTROMA, KOZELSK, PERM, SVOBODNYY, AND TEYKOVO SS-11 COMPLEXES AND THEIR SEARCH AREAS WERE OBSERVED. THE YEDROVO COMPLEX COULD BE IDENTIFIED ONLY.

THE OMSK SS-8 COMPLEX AND SEARCH AREA AND PORTIONS OF THE ITATKA, NOVOSIBIRSK, AND VERKHNYAYA SALDA SS-7 COMPLEXES AND SEARCH AREAS WERE OBSERVED. ONLY PORTIONS OF THE YURYA SS-8 COMPLEX SEARCH AREA WERE OBSERVED.

MR/IRBM COMPLEXES

2. THE PERVOMAYSK SSM COMPLEX AND SEARCH AREA WERE PARTIALLY OBSERVED ON PHOTOGRAPHY OF GENERALLY FAIR INTERPRETABILITY.

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HIGHLIGHTS

ALL 10 TYPE IIIG LAUNCH SITES AND THE ONE LARGER NEW-TYPE SILO IN LAUNCH GROUP G WERE OBSERVED. NO NEW SILO CONSTRUCTION WAS OBSERVED. THE DERAZHNYA SSM COMPLEX AND SEARCH AREA WERE CLOUD COVERED.

MISSILE TEST CENTERS

25X1A 3. PLESETSK MISSILE AND SPACE CENTER (62-57-46N 040-23-46E, BE

PORTIONS OF THE PLESETSK MISSILE AND SPACE CENTER INCLUDING ALL OF LAUNCH SITES 16 AND 21 WERE OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUDS ON PHOTOGRAPHY OF POOR INTERPRETABILITY. NO SIGNIFICANT ACTIVITY WAS OBSERVED.

THE TEST RANGES AT TYURATAM, KAPUSTIN YAR, AND NENOKSA WERE NOT OBSERVED.

25X1A 4. SARY-SHAGAN MISSILE TEST CENTER (46-11-05N 072-41-30E, BE

THE ENTIRE RANGE EXCEPT FOR TRACKING FACILITIES 6-8 AND 13-16 WAS COVERED ON PHOTOGRAPHY OF POOR-TO-FAIR INTERPRETABILITY.

25X1D AT LAUNCH COMPLEX F, A SECOND POSSIBLE SILO MAY BE UNDER CONSTRUCTION AT THE SIXTH POSITION OF LAUNCH SITE 4. THE CONSTRUCTION OBSERVED HERE IS LIKE THAT SEEN AT A SIMILAR STAGE AT THE FIFTH POSITION OF SITE 4 WHERE A POSSIBLE SILO WAS IDENTIFIED IN

ALSO AT LAUNCH COMPLEX F, A MISSILE CANISTER WAS OBSERVED AT LAUNCH POSITION 2A, SITE 2. TWO AREAS OF UNIDENTIFIED EARTH SCARRING WERE NEWLY OBSERVED--ONE JUST NORTH OF FORMER RADAR POSITION C2 AND THE OTHER ADJACENT TO THE PROBABLE LAUNCH POSITION UNDER CONSTRUCTION AT FORMER GRIFFON R + D LAUNCH SITE WEST.

AT LAUNCH COMPLEX B, ONE PROBABLE GALOSH MISSILE CANISTER WAS OBSERVED AT LAUNCH POSITION C1 AND ANOTHER WAS OBSERVED AT C3.

THE AREA NORTHWEST OF LAUNCH COMPLEX D, PREVIOUSLY REPORTED AS A PROBABLE LAUNCH AREA, IS NOW DESIGNATED LAUNCH COMPLEX G. LAUNCH COMPLEX G ALSO INCLUDES TWO INTERFEROMETERS CONFIRMED ON

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HIGHLIGHTS

THIS MISSION AND TWO OTHER TRACKING FACILITIES.

THE FOUR TRACKING FACILITIES FORM A BELL-SHAPED
INSTRUMENTATION PATTERN DOWNRANGE FROM THE LAUNCH FACILITY
WHICH HAS BEEN UNDER CONSTRUCTION SINCE AT LEAST [REDACTED]
[REDACTED] THE MISSILE SYSTEM INTENDED FOR THIS LAUNCH COMPLEX IS
UNKNOWN.

25X1D

25X1D

NO CANISTERS WERE OBSERVED AT LAUNCH COMPLEX D.

THREE NEW FIELD SA-3 SITES WERE OBSERVED IN THE GENERAL
VICINITY OF LAUNCH COMPLEX E. THIS IS THE FIRST TIME SA-3
SITES HAVE BEEN IDENTIFIED AT SARY-SHAGAN. ONE OF THE NEW
SITES WAS OCCUPIED. THE OTHER TWO WERE NOT.

ALSO IN THE VICINITY OF LAUNCH COMPLEX E1, A NEWLY
CONSTRUCTED AND OCCUPIED FIELD SA-2 SITE WAS OBSERVED.

ABM ACTIVITY

5. MOSCOW ABM LAUNCH COMPLEXES E15, E24, AND E33, AND PORTIONS
OF COMPLEXES E03 AND E31 AND THE BOROVSK ABM SUPPORT FACILITY
WERE OBSERVED ON PHOTOGRAPHY OF POOR INTERPRETABILITY.

AT COMPLEX E15, A LIGHT-TONED UNIDENTIFIED OBJECT WAS
OBSERVED ON TOP OF TRY ADD BUILDING A. CONSTRUCTION CONTINUED
WITHIN THE LARGE EXCAVATION.

LAUNCH COMPLEX E21 WAS NOT OBSERVED.

AIR ACTIVITY

25X1A 6. RAMENSKOYE FLIGHT TEST CENTER (55-33-45N 038-07-05E, BE
[REDACTED])

25X1A KAZAN AIRFRAME PLANT GORBUNOV 22 (55-51-38N 049-06-44E, BE
[REDACTED])

25X1D

A RAM-H DELTA-WING BOMBER WAS AGAIN SEEN IN THE MYASISCHEV
AREA AT RAMENSKOYE FLIGHT TEST CENTER ON [REDACTED] PREVIOUS
SIGHTINGS OF A RAM-H IN THIS AREA OCCURRED ON [REDACTED]
[REDACTED] WHEN IT WAS FIRST IDENTIFIED, AND ON [REDACTED]

25X1D

25X1D

25X1D FIVE BACKFIRE WERE OBSERVED AT RAMENSKOYE FLIGHT TEST
CENTER ON [REDACTED] AND THREE BACKFIRE WERE SEEN AT KAZAN AIRFRAME

25X1D

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HIGHLIGHTS

25X1D

PLANT GORBUNOV 22 ON [REDACTED] AKHTUBINSK FLIGHT TEST CENTER WAS
NOT COVERED.

25X1A 7. KHADABULAK STATION AIRFIELD NORTH (50-45-00N 116-13-30E, BE
[REDACTED]

25X1D

EIGHTEEN FIREBAR-TYPE AIRCRAFT WERE OBSERVED ON [REDACTED] AT
KHADABULAK STATION AIRFIELD NORTH. IT WAS THE FIRST
OBSERVATION OF THIS TYPE AIRCRAFT AT THE AIRFIELD, WHICH
NORMALLY HOUSES ONE SQUADRON OF FLAGON AND TWO SQUADRONS OF
FRESCO. ALSO AT THE FIELD, FOUR HANGARETTES WERE UNDER
CONSTRUCTION AND NUMEROUS ARCHED ROOF HANGARETTE SECTIONS WERE
OBSERVED. THIS AIRFIELD IS IN THE TRANS-SIBERIAN AIR DEFENSE
DISTRICT APPROXIMATELY 60 NM FROM THE USSR-MONGOLIA-CHINA
BORDER.

25X1A 8. ZHANGIZ-TOBE EAST AIRFIELD (49-13-25N 081-19-10E, BE
[REDACTED]

25X1D

FOUNDATIONS FOR 12 HANGARETTES WERE OBSERVED AT
ZHANGIZ-TOBE EAST AIRFIELD ON [REDACTED] THIS CONSTRUCTION WAS
THE FIRST INDICATION THAT THE AIRFIELD, 140 NM FROM THE
USSR-CHINA BORDER, WOULD BE MILITARY. THE AIRFIELD WAS FIRST
IDENTIFIED ON [REDACTED], AND CONCRETE SURFACING OF THE
RUNWAY AND TAXIWAY HAVE BEEN CONTINUING SINCE [REDACTED]
[REDACTED] NO AIRCRAFT HAVE BEEN OBSERVED AT THE AIRFIELD.

25X1D

25X1D

25X1D

NAVAL ACTIVITY

25X1A 9. NIKOLAYEV SHIPYARD NOSENKO 444 (46-56-56N 31-58-13E, BE
[REDACTED]

25X1D

THE 444B HULL WAS OBSERVED ON [REDACTED]. NO SIGNIFICANT
CHANGES WERE NOTED.

25X1A 10. SEVERODVINSK SHIPYARD 402 (64-34-42N 039-49-09E, BE
[REDACTED]

25X1D

[REDACTED]

FIVE SUBMARINES WERE POSITIONED AT THE FITTING-OUT QUAY.
THEY WERE THE 402N SUBMARINE, A Y-CLASS SUBMARINE, A POSSIBLE
Y-CLASS SUBMARINE, AND TWO UNIDENTIFIED MEDIUM SUBMARINES.

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HIGHLIGHTS

25X9

POSITIVE IDENTIFICATION OF ALL SUBMARINES OBSERVED WAS HAMPERED
BY SMALL SCALE AND POOR INTERPRETABILITY.

GROUND FORCE ACTIVITY

25X1A

11. BORZYA MILITARY INSTALLATION (50-21-05N 116-27-30E, BE

OVER 500 VEHICLES AND PIECES OF EQUIPMENT WERE NEWLY
OBSERVED ON [REDACTED] AT BORZYA MILITARY INSTALLATION IN THE
TRANSBAIKAL MD, 33 NM FROM THE USSR-MONGOLIA-CHINA TRIBORDER
POINT. INCLUDED IN THE COUNT WERE 124 POSSIBLE TANKS, SIX
POSSIBLE ARTILLERY PIECES, FOUR POSSIBLE AAA PIECES, 60
POSSIBLE PRIME MOVERS, 18 PROBABLE PMP, AND 11 PROBABLE PTS.
THE EQUIPMENT IDENTIFICATIONS, THOUGH TENTATIVE, AND THE
PATTERN OF PARKING BY UNIT GROUPINGS INDICATE THE PRESENCE OF A
POSSIBLE MOTORIZED RIFLE DIVISION. WHEN THIS INSTALLATION WAS
LAST OBSERVED, ON [REDACTED], ONLY EQUIPMENT FOR A
MOTOR TRANSPORTATION BATTALION WAS PRESENT. TEMPORARY
FACILITIES FOR ADMINISTRATION AND BILLETING OBSERVED IN THE
AREA INCLUDE 40 LARGE TENTS AND 90 PYRAMIDAL TENTS. THE BORZYA
MILITARY INSTALLATION HAS BEEN UNDER CONSTRUCTION SINCE [REDACTED]
[REDACTED] AT A VERY SLOW PACE AND CONSTRUCTION STILL APPEARS TO
BE AT AN EARLY STAGE.

25X1D

25X1D

25X1D

25X1D

USSR/CHINA BORDER

AIR ACTIVITY

25X1A

25X1A

12. CHERNIGOVKA AIRFIELD (44-19-12N 132-33-10E, [REDACTED]

FIFTY SMALL SWEEP/DELTA-WING FIGHTER AIRCRAFT WERE OBSERVED
ON [REDACTED] AT CHERNIGOVKA AIRFIELD, 63 NM FROM THE USSR-CHINA
BORDER IN THE FAR EAST MILITARY DISTRICT. THIS IS THE LARGEST
NUMBER OF FIGHTER AIRCRAFT EVER OBSERVED AT THIS FIELD AND IS
AN INCREASE OF 32 OVER THE PREVIOUS HIGH COUNT OF 18 FISHBED
OBSERVED [REDACTED] OTHER AIRCRAFT OBSERVED ON
[REDACTED] INCLUDED 12 HOOK AND AT LEAST 22 MEDIUM HELICOPTERS.
NINE HIND HELICOPTERS WERE NEWLY IDENTIFIED AT THIS FIELD ON 2
[REDACTED] --THE FIRST TIME THE HIND-A WAS OBSERVED AT
AN OPERATIONAL AIRFIELD. THREE NEW HELICOPTER DISPERSAL AREAS

25X1D

25X1D

25X1D

25X1D

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25X1C

HIGHLIGHTS

WITH 24 HARDSTANDS WERE UNDER CONSTRUCTION ADJACENT TO THE
PARALLEL TAXIWAY.

CHINA

MISSILE ACTIVITY

SSM ACTIVITY

25X1A

13. SHUANG-CHENG-TZU MISSILE TEST CENTER (41-08-00N 100-15-00E,
[REDACTED])

AT THE SHUANG-CHENG-TZU MISSILE TEST CENTER, LAUNCH
COMPLEXES A, B, C, AND D, AND THE SSM HOUSING AND SUPPORT AREA
WERE OBSERVED ON [REDACTED] NO MISSILES OR MISSILE ACTIVITY WERE
OBSERVED.

25X1D

25X1A THE WU-CHAI SSM R + D/TEST COMPLEX WAS CLOUD COVERED.

14. I-TU SSM TRAINING SCHOOL (36-36-40N 118-29-00E, BE
[REDACTED])

THE I-TU SSM TRAINING SCHOOL WAS OBSERVED ON [REDACTED] ON
SMALL-SCALE PHOTOGRAPHY. A POSSIBLE SHORT-RANGE BALLISTICS
MISSILE (SRBM) WAS ERECTED ON THE PAD TO THE REAR OF A POSSIBLE
SRBM TRANSPORTER ERECTOR.

25X1D

AIR ACTIVITY

25X1A

15. KAO-MI AIRFIELD (36-23-10N 119-42-50E, [REDACTED])

25X1A

TWENTY-THREE PROBABLE AND 13 POSSIBLE FARMER/SINO-A
AIRCRAFT WERE IDENTIFIED AT KAO-MI AIRFIELD, ON THE SHANTUNG
PENINSULA APPROXIMATELY 270 NM SOUTH-SOUTHEAST OF PEKING, ON
PHOTOGRAPHY OF [REDACTED] POOR INTERPRETABILITY PRECLUDES A MORE
DEFINITE IDENTIFICATION OF THE AIRCRAFT.

25X1D

TWENTY-THREE SINO-A AIRCRAFT WERE IDENTIFIED AT KAO-MI
AIRFIELD ON [REDACTED]. NO FARMER AIRCRAFT HAVE EVER
BEEN SEEN AT THIS AIRFIELD.

25X1D

NORTH VIETNAM

25X1C

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HIGHLIGHTS

MILITARY ACTIVITY

16. THE MONG CAI AREA IN THE NORTHEASTERN SECTION OF NORTH VIETNAM AND THE DONG HOI AREA IN THE SOUTHEASTERN SECTION OF NORTH VIETNAM WERE THE ONLY AREAS PREDICTED FOR COVERAGE. THE MONG CAI AREA WAS CLOUD COVERED. THE DONG HOI AREA HAD HEAVY CLOUDS WITH NO SIGNIFICANT ACTIVITY.

EGYPT

NAVAL ACTIVITY

25X1A

17. AS SALLUM FLEET ANCHORAGE AREA (31-35N 025-20E, BE

A KASHIN-CLASS DLG (GUIDED-MISSILE FRIGATE) WAS DEAD-IN-THE-WATER APPROXIMATELY 6 NM ENE OF AS SALLUM PORT ON [REDACTED] THIS IS THE FIRST IDENTIFICATION OF A NAVAL COMBATANT NEAR AS SALLUM ON KEYHOLE PHOTOGRAPHY. NO OTHER NAVAL COMBATANTS WERE OBSERVED. PHOTO REF: [REDACTED]

25X1D

MILITARY ACTIVITY 25X1A

18. AL QAHIRAH BARRACKS AND SUPPLY DEPOT HULWAN (29-52-53N 031-18-07E, [REDACTED])

AT THE NORTH END OF THE DUMMY FABRICATION FACILITY, AT LEAST 42 ROWS OF UNIDENTIFIED EQUIPMENT WERE NEWLY IDENTIFIED IN TWO SEPARATE AREAS ON [REDACTED]. THESE ROWS WERE NOT PRESENT ON [REDACTED]. THE REST OF THE FACILITY APPEARS ACTIVE; HOWEVER, THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDED A DETAILED READOUT. PHOTO REF: [REDACTED]

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Attachments

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TABLE 1. DEPLOYED ICBM COMPLEXES, TYURATAM MTC, AND PLESETSK MSC

COMPLEX	SS-7	SS-8	SS-9	SS-11	SS-13	OTHER UNDET TYPE	TOTALS*	LAUNCH GROUPS	LAUNCHERS			
	TYPE IIA, B & D & IIIA	TYPE IIC & IIIB	TYPE IIIC	TYPE IIID	TYPE IIIE			TYPE IIIF	IDENTIFIED COMPLETE	NEW THIS MISSION	DROPPED THIS MISSION	
	SITES		LAUNCHERS							INCLUDED IN TOTAL		
	LAUNCHERS		LAUNCHERS									
ALEYSK	★		30				30	5	5			
DOMBAROVSKIY	★		60			5	65	10	10			
DROVYANAYA		6 / 15		50			65	5	5			
GLADKAYA		3 / 7		60			67	6	6			
IMENI GASTELLO			48			5	53	8	8			
ITATKA	★	3 / 6					6					
KARTALY	★		42			5	47	7	7			
KOSTROMA	★	7 / 15		90			105	9	9			
KOZELSK	★		5 / 12	110			122	11	11			
NOVOSIBIRSK	★	5 / 12					12					
OLOVYANNAYA	★	3 / 9		90			99	9	9			
OMSK	★		1 / 3				3					
PERM	★	6 / 13		80			93	8	8			
SHADRINSK		3 / 9					9					
SVOBODNY	★	8 / 17		60			77	6	6			
TATISHCHEVO				120			120	12	12			
TEYKOVO	★	6 / 12		80			92	8	8			
TYUMEN			2 / 4				4					
UZHUR			60			5	65	10	10			
VERKHNYAYA SALDA	★	9 / 20					20					
YEDROVO		8 / 18		110			128	11	11			
YOSHKAR OLA		6 / 12			60		72	6	6			
YURYA		11 / 25					25					
ZHANGIZ-TOBE	★		48			5	53	8	8			
TOTALS		84 / 190	8 / 19	288	850	60	25	1432	139	139		

TYURATAM MTC	TOTAL LAUNCHERS INCLUDES SSM, R&D, AND SPACE LAUNCH POSITIONS	78			
PLESETSK MSC	TOTAL LAUNCHERS INCLUDES SSM, R&D, AND SPACE LAUNCH POSITIONS	34			

*TOTALS DO NOT INCLUDE THE TRAINING SITES AT THE 17 SINGLE-SILO COMPLEXES NOR THE TYPE IIID LAUNCH SITES AT THE DERAZHNYA MRBM COMPLEX AND THE PERVOMAYSK IRBM COMPLEX.

★COMPLEX AT LEAST PARTIALLY COVERED ON THIS MISSION.

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Table 2. SOVIET MRBM AND IRBM DEPLOYMENT

GEOGRAPHIC AREA	SOFT MRBM LAUNCH SITES	SOFT IRBM LAUNCH SITES	HARD MRBM LAUNCH SITES	HARD IRBM LAUNCH SITES	TOTAL LAUNCH SITES	TOTAL LAUNCH POSITIONS
WESTERN	100	10*	17	10	137	538**
CAUCASUS	3		2	3	8	29
CENTRAL ASIA	2	1	1	2	6	22
FAR EASTERN						
TOTALS	105	11	20	15	151	589**

Totals do not include 93 fixed field-type sites with total of 345 launch positions

*One has only 2 pads

**Totals do not include the 124 inactive launch positions at Aktyubinsk, Anastasyevka, Gvardeysk, Simferopol, Barano-Orenburgskoye, Balta, Uman (2 sites), Paplaka, Mukachevo, Derazhnya, Suchan, Kremovo, Kivertsy (1 site), Novosysoyevka, Ugolnyy, Zhitomir (1 site), and Kamenets Podolskiy Complexes

Table 3. TYPE IIID LAUNCH SITES AT MR/IRBM COMPLEXES

COMPLEX	SITES*	LAUNCH GROUPS		LAUNCHERS	
		IDENTIFIED	COMPLETE	NEW THIS MISSION	DROPPED THIS MISSION
				INCLUDED IN TOTAL	
DERAZHNYA	60	6	6		
★ PERVOMAYSK	60	6	6		
Totals*	120	12	12		

*Totals do not include training sites

★Complexes at least partially covered on this mission

Table 4. TYPE IIIG LAUNCH SITES AT MR/IRBM COMPLEXES**

COMPLEX	SITES	LAUNCH GROUPS		LAUNCHERS	
		IDENTIFIED	COMPLETE	NEW THIS MISSION	DROPPED THIS MISSION
				INCLUDED IN TOTAL	
DERAZHNYA	33	3	3		
★ PERVOMAYSK	33	3	3		
Totals	66	6	6		

★Complexes at least partially covered on this mission

**One site in each group has the dimensions and characteristics of a type IIIF launch site.

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25X1C

CHINA, COMMUNIST
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

SHUANG-CHENG-TZU MISSILE TEST CENTER

25X1A 41-08-00N 100-15-00E

STATUS: OPERATIONAL

REMARKS:

LAUNCH COMPLEXES A, B, C, AND D, THE SSM HOUSING AND SUPPORT AREA, AND TRACKING FACILITIES 1-6, 10-16, 18, AND 19 WERE COVERED. NO MISSILES WERE OBSERVED. AT LAUNCH COMPLEX B, THE GANTRY WAS AT THE SOUTHERN EDGE OF PAD B2 AND THE B2 LAUNCH STAND WAS EMPTY. PAD A1 WAS EMPTY BUT THREE VEHICLES OR PIECES OF EQUIPMENT WERE AT THE CENTER OF PAD A2. JUST EAST OF THE LAUNCH COMPLEX CHECKOUT AREA, THE 40 TRUCKS AND THE TRACK ACTIVITY SEEN ON [REDACTED] WERE AGAIN OBSERVED. BUILDING CONSTRUCTION AT TRACKING FACILITY 10 AND TRUCK AND TRACK ACTIVITY WERE OBSERVED IN THE VICINITY OF THE STRONGPOINT ADJOINING THE SSM HOUSING AND SUPPORT AREA.

25X1D

25X1D

HANDLE VIA
TALENT-KEYHOLE
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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

25X1C

CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

CHANG-CHIA-KOU AIRFIELD SOUTHEAST

25X1A 40-44-16N 114-55-36E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION OF THE SUPPORT FACILITIES MAY HAVE BEEN COMPLETED.
POOR INTERPRETABILITY PRECLUDES A DETERMINATION OF THE STATUS
OF CONSTRUCTION.

AIR ORDER OF BATTLE:

-- ON TUNNEL TAXIWAY
2 PROB SMALL DELTA-WING
13 SMALL SWEEP-WING (AT
LEAST)

25X1D

-- ON PARALLEL TAXIWAY
8 SMALL SWEEP-WING (5 BEING
TOWED) 3 POSS SMALL SWEEP-WING
(BEING TOWED)

25X1D

-- PARKED ADJACENT TO PARALLEL TAXIWAY
6 LIGHT STRAIGHT-WING

25X1D

25X1D

KAO-MI AIRFIELD 25X1D

25X1A 36-23-10N 119-42-50E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1D

-- IN PARKING REVETMENTS
23 PROB FARMER/SINO-A 5 PROB FAGOT/FRESCO
13 POSS FARMER/SINO-A 5 POSS FAGOT/FRESCO

-- ON END-CONNECTING LINKS
13 PROB FAGOT/FRESCO

25X1D

-- ON PARKING APRON
3 PROB FAGOT/FRESCO (BEING
TOWED) 3 POSS FAGOT/FRESCO

25X1D

-- ON RUNWAY
1 PROB FAGOT/FRESCO

10

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25X1C

CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

-- ON MAINTENANCE APRON
4 PROB FAGOT/FRESCO 2 POSS FAGOT/FRESCO

25X1D

25X1D
KUEI-LIN/LI-CHIA-TSUN AIRFIELD

25X1A 25-11-40N 110-19-07E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: 25X1D

10 PROB BEAGLE 25X1D

25X1D
KU-CHENG AIRFIELD

25X1A 37-29-20N 116-06-51E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: 25X1D

5 PROB SMALL AIRCRAFT (AT
LEAST) 25X1D

25X1D
WEI-FANG AIRFIELD

25X1A 36-38-50N 119-07-20E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: 25X1D

-- ON CROSSOVER LINK
1 PROB FARMER/SINO-A

25X1D

-- ON TAXIWAY
1 PROB FAGOT/FRESCO
4 SMALL SWEEP-WING

1 PROB COLT

-- IN REVETMENTS
13 SMALL SWEEP-WING 6 PROB SMALL AIRCRAFT

25X1D

HANDLE VIA
TALENT KEYHOLE
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KH-4 MISSION 1117-2

25X1C

CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

-- ON PARKING APRON
27 SMALL SWEPT-WING

25X1D

-- IN MAINTENANCE AREA
4 SMALL SWEPT-WING

25X1D

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TALENT-KEITH
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KH-4 MISSION 1117-2

CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

-- ON PARKING APRON
27 SMALL SWEPT-WING

25X1D

-- IN MAINTENANCE AREA
4 SMALL SWEPT-WING

25X1D

25X2

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KH-4 MISSION 1117-2

25X1C

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

AL MANSURAH AIRFIELD

25X1A 30-58-03N 031-25-37E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: 25X1D

5 DELTA/SWEPT-WING

9 POSS AIRCRAFT

25X1D

AL MANZILAH AIRFIELD

25X1A 31-03-05N 031-54-25E

25X1D

STATUS: OPERATIONAL

REMARKS:

THE TWO HANGARETTES UNDER CONSTRUCTION AT THE SE END OF THE
NW/SE RUNWAY APPEAR TO BE OF THE NEW TYPE.

AIR ORDER OF BATTLE:

25X1D

NONE DISCERNIBLE

25X1D

25X1D
AS SALIHIYAH AIRFIELD

25X1A 30-47-55N 032-02-20E

STATUS: OPERATIONAL

REMARKS:

CLOUD COVER PRECLUDED A COMPLETE READOUT.

AIR ORDER OF BATTLE:

25X1D

5 PROB SWEPT-WING

25X1D

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KH-4 MISSION 1117-2

25X1C

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1D
AZ ZAQAQIQ AIRFIELD

25X1A 30-35-38N 031-39-50E

STATUS: OPERATIONAL

REMARKS:
CONSTRUCTION ACTIVITY CONTINUED ON THE NEW HANGARETTE.

AIR ORDER OF BATTLE:

4 POSS AIRCRAFT 25X1D 25X1D

25X1D
BENI SUEF AIRFIELD

25X1A 29-11-55N 031-01-00E

STATUS: OPERATIONAL

REMARKS:
THE NE/SW RUNWAY, THE LOOP TAXIWAYS, AND THE PARKING APRON WERE
BEING REPAIRED AND RESURFACED.

AIR ORDER OF BATTLE:

3 BADGER 25X1D 1 CUB
8 SWEPT/DELTA-WING 25X1D

25X1D 25X1D
BILBAYS AIRFIELD

25X1A 30-23-42N 031-35-54E

STATUS: OPERATIONAL

25X1D
AIR ORDER OF BATTLE:

8 PROB FITTER 5 CRATES
1 PROB DELTA-WING 9 SMALL STRAIGHT-WING

25X1D

HANDLE VIA
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KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1D

BIR JIEJAFAH AIRFIELD

25X1A 30-24-50N 033-09-45E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: 25X1D

4 POSS SMALL AIRCRAFT 25X1D

25X1D

BIRMA AIRFIELD

25X1A 30-50-17N 030-56-10E

STATUS: OPERATIONAL

REMARKS:
CLOUD COVER PRECLUDED A COMPLETE READOUT.

AIR ORDER OF BATTLE:

4 POSS AIRCRAFT 25X1D 25X1D

25X1D

CAIRO AIRFIELD WEST

25X1A 30-06-10N 030-55-40E

STATUS: OPERATIONAL

REMARKS:
CLOUD COVER AND SMALL SCALE PRECLUDED A COMPLETE READOUT.

AIR ORDER OF BATTLE:

4 BADGER 25X1D
4 PROB BEAGLE

1 PROB SWEPT/DELTA-WING
4 PROB CAT/CUB

25X1D

ASSOCIATED OBJECTS:

1 DERELICT BADGER

25X1D

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TOP SECRET RUFF

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HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

6-125X1C

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KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1D
INSHAS AIRFIELD

25X1A 30-19-47N 031-27-23E

STATUS: OPERATIONAL

REMARKS:

NO SIGNIFICANT CHANGES WERE OBSERVED IN THE CLOUD-FREE AREAS.

25X1D
AIR ORDER OF BATTLE:

7 SWEPT/DELTA-WING

25X1D

QUWAYSINA AIRFIELD

25X1A 30-34-46N 031-07-45E

25X1D

STATUS: OPERATIONAL

25X1D
AIR ORDER OF BATTLE:

2 POSS AIRCRAFT

8 HELICOPTERS (AT LEAST)

25X1D

25X1D
SAIYAH EL SHIRIF AIRFIELD

25X1A 31-20-50N 030-58-28E

STATUS: OPERATIONAL

REMARKS:

ONLY THE SOUTH END OF THE N/S RUNWAY COULD BE OBSERVED DUE TO
HEAVY CLOUD COVER.

25X1D
AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

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KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1D

WADI ABU RISH AIRFIELD

25X1A 28-58-45N 031-42-00E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED ON THE NEW-TYPE HANGARETTES.

25X1D

AIR ORDER OF BATTLE:

NONE DISCERNIBLE 25X1D

25X1A

25X1D
WADI AL JANDALI AIRFIELD

30-03-10N 031-50-25E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

1 FISHBED 25X1D
5 POSS AIRCRAFT

1 POSS HELICOPTER

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

BILBAYS AIRFIELD 2

25X1A 30-25-20N 031-40-40E

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

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KH-4 MISSION 1117-2

25X1C

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1D

KASFAREET AIRFIELD

25X1A 30-14-55N 032-24-30E

STATUS:UNKNOWN

REMARKS:
THE SERVICEABILITY OF THE RUNWAYS COULD NOT BE DETERMINED.

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

25X1D

25X1D
KOM AWSHIM AIRFIELD

25X1A 29-33-25N 030-53-50E

STATUS:OPERATIONAL

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

25X1D

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25X1A 31-35-//N 025-20-//E
100000-1

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KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D
AS SALLUM FLEET ANCHORAGE AREA

25X1A 31-35-//N 025-20-//E

STATUS:OCCUPIED

REMARKS:
THIS KASHIN DLG REPRESENTS THE FIRST IDENTIFICATION OF A NAVAL
COMBATANT AT THE ANCHORAGE.

NAVAL ORDER OF BATTLE:

1 KASHIN DLG
(DEAD-IN-THE-WATER)

25X1D

25X1D

25X1D
AS SALLUM PORT FACILITIES

25X1A 31-33-42N 025-10-00E

STATUS:OPERATIONAL

REMARKS:
THE NEW MOLE REMAINED IN THE FINAL STAGES OF CONSTRUCTION.

NAVAL ORDER OF BATTLE:

NONE PRESENT

25X1D

25X1D

25X1D

25X1D

25X1A 31-15-28N 032-18-18E

BUR SAID NAVAL BASE

STATUS:OPERATIONAL

NAVAL ORDER OF BATTLE:

2 OSA PTFG

2 SMALL COMBATANTS

25X1D

1 POLNOCNY LSM

25X1D

HANDLE VIA
TALENT KEYHOLE
CONTROL SYSTEM ONLY

6-1 25X1C

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

AL QAHIRAH BKS A ARMY SPLY DPO HULWAN 25X1A 29-52-53N 031-18-07E

STATUS:OCCUPIED

REMARKS:

AT LEAST 42 ROWS OF NEW UNIDENTIFIED EQUIPMENT WERE OBSERVED IN
THE NORTH END OF THE FACILITY. THE SMALL SCALE OF THE
PHOTOGRAPHY PECLUDED A MORE DETAILED READOUT.

GROUND FORCE ORDER OF BATTLE:

VEHICLES/PIECES OF EQUIP
(NUMEROUS)

25X1D

AL QAHIRAH ORDNANCE STORAGE AREA 25X1A 30-07-20N 031-28-49E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED.

25X1D

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

25X1D

AT TALL AL KABIR BARRACKS 25X1A 30-33-43N 031-43-49E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED.

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

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25X1C

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KH-4 MISSION 1117-2
25X1D

UNITED ARAB REPUBLIC
GROUND FORCE FACILITIES

25X1D
SUEZ CANAL SPECIAL AREA 0704

25X1A 31-06-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:
NO SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED ON EITHER SIDE OF
THE CANAL.

25X1D
GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

25X1D
SUEZ CANAL SPECIAL AREA 0708

25X1A 30-54-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:
NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED ON EITHER
SIDE OF THE CANAL.

25X1D
GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE (ON EITHER
SIDE OF CANAL)

25X1D

25X1D
SUEZ CANAL SPECIAL AREA 0712

25X1A 30-42-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:
NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED ON EITHER
SIDE OF THE CANAL.

25X1D
GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE (ON EITHER

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KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
GROUND FORCE FACILITIES

SIDE OF CANAL) 25X1D

SUEZ CANAL SPECIAL AREA 0716

25X1A 30-30-00N 032-15-00E

25X1D

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED ON EITHER
SIDE OF THE CANAL.

GROUND FORCE ORDER OF BATTLE:

25X1D

NONE DISCERNIBLE (ON EITHER
SIDE OF THE CANAL)

25X1D

SUEZ CANAL SPECIAL AREA 1204

25X1A 30-18-00N 032-15-00E

25X1D

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED.

GROUND FORCE ORDER OF BATTLE:

25X1D

NONE DISCERNIBLE

25X1D

SUEZ CANAL SPECIAL AREA 1301

25X1A 30-18-00N 032-33-00E

25X1D

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED ON EITHER
SIDE OF THE CANAL.

GROUND FORCE ORDER OF BATTLE:

25X1D

23

HANDLE VIA

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TOP SECRET RUFF

CONTROL SYSTEM ONLY

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

6-1 25X1C

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
GROUND FORCE FACILITIES

NONE DISCERNIBLE (ON EITHER
SIDE OF THE CANAL)

25X1D

25X1D

SUEZ CANAL SPECIAL AREA 1305

25X1A 30-06-00N 032-33-00E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED ON EITHER
SIDE OF THE CANAL.

25X1D

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

HANDLE VIA
TALENT-KE
CONTROL SYSTEM ONLY

25X1C
06-1

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

UNITED ARAB REPUBLIC
DEPLOYED TACTICAL SSM FACILITIES

SIGNIFICANT RESULTS

25X1D

AL QAHIRAH ARMD VEH CONC A NO 1
[REDACTED]

25X1A 30-02-00N 031-25-30E
[REDACTED]

STATUS:OCCUPIED

REMARKS:
NO NEW SIGNIFICANT MILITARY ACTIVITY WAS OBSERVED.

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
VEHICLES/PIECES OF EQUIP
(NUMEROUS)

25X1D

[REDACTED]
25X1D

HANDLE VIA
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KH-4 MISSION 1117-2

25X1C

INDIA
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

DELHI PALAM AIRFIELD

25X1A 28-34-25N 077-06-03E

STATUS: OPERATIONAL

25X1D

AIR ORDER OF BATTLE:

1 PROB CARAVELLE
2 PROB C-47

18 UNIDENTIFIED AIRCRAFT

25X1D

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KH-4 MISSION 1117-2

25X1C

INDIA
LOGISTICS

OTHER RESULTS-NO APPARENT CHANGE

25X1D

DELHI RR CLF YD MAIN

25X1A 28-39-40N 077-13-40E

STATUS: OPERATIONAL

ASSOCIATED OBJECTS: 25X1D

NONE DISCERNIBLE

25X1D

DELHI RR YARD WEST 25X1D

25X1A 28-40-50N 077-07-25E

STATUS: OPERATIONAL

ASSOCIATED OBJECTS: 25X1D

NONE DISCERNIBLE

25X1D

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

[REDACTED]

-1

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

25X1C

INDIA
LOGISTICS

OTHER RESULTS-NO APPARENT CHANGE

25X1D

DELHI RR CLF YD MAIN

25X1A 28-39-40N 077-13-40E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

NONE DISCERNIBLE

25X1D

25X1D

DELHI RR YARD WEST

25X1A 28-40-50N 077-07-25E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

NONE DISCERNIBLE

25X1D

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

0025X1C

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D

ALEYSK ICBM COMPLEX

25X1A 52-28-45N 083-05-20E

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE COMPLEX WAS OBSERVED. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1D
BELOKOROVICHI MRBM COMPLEX

25X1A 51-01-35N 027-55-24E

STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1D
BORSHCHEV MRBM COMPLEX

25X1A 48-46-38N 026-08-51E

STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1D
BRODY MRBM COMPLEX

25X1A 50-12-49N 025-05-23E

STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

25X1D
DOLINA MRBM COMPLEX

25X1A 49-00-27N 024-06-38E

STATUS:UNKNOWN

REMARKS:
THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1D
DOMBAROVSKIY ICBM COMPLEX

25X1A 51-07-46N 060-09-57E

STATUS:OPERATIONAL

REMARKS:
TEN OF THE 60 SS-9 LAUNCH SITES AND TWO OF THE FIVE TYPE IIIF
LAUNCH SITES WERE OBSERVED. AT LAUNCH SITE 73, FIVE SILO LINER
SEGMENTS WERE ON THE SILO APRON. FIVE SEGMENTS WERE PREVIOUSLY
REPORTED HERE ON . NO NEW MISSILE
ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1D

25X1D
ITATKA ICBM COMPLEX

25X1A 56-52-46N 085-22-59E

STATUS:OPERATIONAL

REMARKS:
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED.

AT LAUNCH SITE 1, THE ERECTOR WAS RAISED ON THE LEFT LAUNCH
PAD, AND TWO VEHICLES AND FIVE PIECES OF EQUIPMENT WERE IN
FRONT OF THE RIGHT READY BUILDING. TWENTY PROBABLE TENTS WERE
ACROSS THE ROAD FROM THE BARRACKS AREA IN THE SITE SUPPORT
FACILITY. AT LAUNCH SITE 2, AN SS-7 MISSILE WAS IN FRONT OF
THE RIGHT READY BUILDING. A PROBABLE PROPELLANT TRANSPORTER
WAS ON THE LEFT LAUNCH PAD, AND ONE UNIDENTIFIED VEHICLE WAS ON
THE RIGHT LAUNCH PAD. AT LAUNCH SITE 3, APPROXIMATELY 130
VEHICLES AND 22 POSSIBLE TENTS WERE LOCATED IN THREE AREAS NEAR
THE SITE SUPPORT FACILITY.

HANDLE VIA
TALENT ~~TOP SECRET~~ Approved For Release
CONTROL SYSTEM ONLY

6-1

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

25X1C

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE
SEARCH AREA.

25X1D

KARTALY ICBM COMPLEX

25X1A 52-53-11N 060-34-17E

25X1D

STATUS: OPERATIONAL

REMARKS:

THREE OF THE 42 SS-9 LAUNCH SITES, ONE OF THE FIVE TYPE IIIF
SITES, AND PARTS OF THE COMPLEX SUPPORT FACILITIES WERE
OBSERVED. EIGHT OTHER SS-9 LAUNCH SITES AND TWO OTHER IIIF
SITES WERE IDENTIFIABLE ONLY. NO SIGNIFICANT CONSTRUCTION
CHANGES WERE OBSERVED AT THE ONE IIIF SITE OBSERVED NOR AT THE
POSSIBLE MISSILE RECEIVING FACILITY UNDER CONSTRUCTION IN THE
COMPLEX SUPPORT FACILITIES.

25X1D

KIVERTSY MRBM COMPLEX

25X1A 50-54-14N 025-29-46E

25X1D

STATUS: UNKNOWN

REMARKS:

LAUNCH SITES 1, 2, AND 3 WERE IDENTIFIABLE ONLY. NO SILO
CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH
AREA.

25X1D

KOROSTEN MRBM COMPLEX

25X1A 50-51-56N 028-15-22E

25X1D

STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1C

HANDLE VIA Approved For
Talent-Keyhole
Control System Only

010006-1

CS-21295/72 - IPIR 2
H-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

MOSTROMA ICBM COMPLEX

25X1A 57-43-45N 041-37-58E

STATUS: OPERATIONAL

REMARKS:

FORTY-SIX OF THE 90 SS-11 LAUNCH SITES, FIVE OF THE SEVEN SS-7 LAUNCH SITES, AND THE RAIL-TO-ROAD TRANSFER POINT WERE OBSERVED. THE COMPLEX SUPPORT FACILITIES WERE PARTIALLY OBSERVED. TWO OTHER SS-11 LAUNCH SITES COULD BE IDENTIFIED ONLY. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

KOZELSK ICBM COMPLEX

25X1A 54-07-34N 035-29-22E

25X1D

STATUS: OPERATIONAL

REMARKS:

NINETY-ONE OF THE 110 SS-11 LAUNCH SITES, ALL FIVE SS-8 LAUNCH SITES, THE COMPLEX SUPPORT FACILITIES, AND THE RAIL-TO-ROAD TRANSFER POINT WERE OBSERVED. EIGHT SS-11 LAUNCH SITES COULD BE IDENTIFIED ONLY. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1D

LEBEDIN ICBM COMPLEX

25X1A 50-35-24N 034-28-17E

STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

25X1C

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

LUTSK MRBM COMPLEX

25X1A 50-48-25N 025-03-50E

STATUS:UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

NADVORNAYA MRBM COMPLEX

25X1A 48-41-23N 024-46-03E

STATUS:UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

NOVOSIBIRSK ICBM COMPLEX

25X1A 55-17-11N 083-06-02E

STATUS:OCCUPIED

REMARKS:

FOUR OF THE FIVE SS-7 LAUNCH SITES, THE COMPLEX SUPPORT
FACILITIES, AND THE RAIL-TO-ROAD TRANSFER POINT WERE OBSERVED.
THE REMAINING SS-7 LAUNCH SITE WAS PARTIALLY OBSERVED. MISSILE
HANDLING EQUIPMENT WAS ON THE LOOP ROAD AT ONE OF THE HARD
SITES. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL
COVERAGE OF THE SEARCH AREA.

OLOVYANNAYA ICBM COMPLEX

25X1A 50-53-33N 116-10-13E

STATUS:OPERATIONAL

25X1C

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KH-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

REMARKS:

THE ENTIRE COMPLEX AND SEARCH AREA WERE COVERED. A POSSIBLE
SS-7 MISSILE WAS OBSERVED AT LAUNCH SITE 3. PERIODIC
MAINTENANCE WAS OBSERVED AT THREE SITES IN GROUP H (LAUNCH
SITES 46, 47, AND 51). NO NEW MISSILE ACTIVITY WAS OBSERVED.

25X1D

25X1D
OMSK ICBM COMPLEX

25X1A 55-04-19N 073-36-02E

STATUS: OPERATIONAL

REMARKS:

A PORTION OF LAUNCH SITE 1 WAS THE ONLY COMPONENT OF THE
COMPLEX OBSERVED. NO NEW MISSILE ACTIVITY WAS OBSERVED ON
PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

OSTROG MRBM COMPLEX

25X1A 50-15-24N 026-49-50E

25X1D

STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

PERM ICBM COMPLEX

25X1A 57-35-58N 056-15-11E

25X1D

STATUS: OPERATIONAL

25X1D

REMARKS:

SIXTY-SIX OF THE 80 SS-11 LAUNCH SITES, ALL SIX SS-7 LAUNCH
SITES, THE COMPLEX SUPPORT FACILITIES, AND THE RAIL-TO-ROAD
TRANSFER POINT WERE OBSERVED. ON [REDACTED] THE ERECTOR HAD
BEEN REMOVED FROM THE RIGHT LAUNCH PAD AT LAUNCH SITE 1, AND
APPROXIMATELY 10 VEHICLES/PIECES OF EQUIPMENT WERE PARKED
IN-LINE ALONG THE EDGE OF THE PAD. APPROXIMATELY FIVE
ADDITIONAL VEHICLES/PIECES OF EQUIPMENT WERE ON THE PAD ACCESS

HANDLE VIA
TALENT-KHOLE
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25X1C

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D
SOKAL MRBM COMPLEX

25X1A 50-23-53N 024-21-51E

STATUS: UNKNOWN

REMARKS:
THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

SVOBODNYI ICBM COMPLEX

25X1A 51-32-41N 128-08-33E

25X1D

STATUS: OCCUPIED

REMARKS:
FIFTEEN OF THE 60 SS-11 LAUNCH SITES, ONE OF THE EIGHT SS-7
LAUNCH SITES, THE COMPLEX SUPPORT FACILITIES, AND THE
RAIL-TO-ROAD TRANSFER POINT WERE OBSERVED. NO NEW MISSILE
ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

TEYKOVO ICBM COMPLEX

25X1A 56-44-05N 040-40-54E

25X1D

STATUS: OPERATIONAL

REMARKS:
SEVENTY-THREE OF THE 80 SS-11 LAUNCH SITES, ALL SIX OF THE SS-7
LAUNCH SITES, THE HEADQUARTERS COMMAND AND CONTROL FACILITY,
AND PARTS OF THE COMPLEX SUPPORT FACILITIES AND RAIL-TO-ROAD
TRANSFER POINT WERE OBSERVED. A MISSILE EXERCISE WAS UNDERWAY
AT LAUNCH SITE 1 WITH A MISSILE ON A TRANSPORTER ON THE RIGHT
LAUNCH PAD AND AN ERECTED MISSILE ON THE LEFT LAUNCH PAD. AT
LAUNCH SITE 82G, FIVE VEHICLES WERE OBSERVED ON THE TURNAROUND
AND ONE VEHICLE WAS BACKED UP TO THE CLOSED SILO DOOR. NO NEW
MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH
AREA.

HANDLE VIA
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06-25X1C

TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2
25X1D

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

USOVO MRBM COMPLEX

25X1A 51-15-41N 028-09-36E

25X1D

STATUS:UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

VERKHNYAYA SALDA ICBM COMPLEX

25X1A 58-08-18N 060-33-36E

25X1D

STATUS:OPERATIONAL

REMARKS:

SEVEN OF THE NINE SS-7 LAUNCH SITES, THE COMPLEX SUPPORT
FACILITIES, AND THE RAIL-TO-ROAD TRANSFER POINT WERE OBSERVED.
NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE
SEARCH AREA.

25X1D

YELSK MRBM COMPLEX

25X1A 51-46-45N 029-16-26E

25X1D

STATUS:UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

YURYA ICBM COMPLEX

25X1A 59-13-10N 049-35-00E

25X1D

STATUS:UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO NEW MISSILE ACTIVITY WAS

25X1C

HANDLE VIA
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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

OBSERVED ON THE PARTIAL COVERAGE OF THE SEARCH AREA.

25X1D

ZHANGIZ-TOBE ICBM COMPLEX

25X1A 49-17-59N 081-19-44E

25X1D

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE COMPLEX AND SEARCH AREA WERE OBSERVED. CONSTRUCTION CONTINUED AT THE TYPE IIIF LAUNCH SITES. THE UNIDENTIFIED AREA SW OF LAUNCH SITE 26D WAS OBSERVED, BUT IDENTIFICATION WAS NOT YET POSSIBLE. NO MISSILE ACTIVITY WAS OBSERVED.

25X1D

25X1B

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[REDACTED] 6-1

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KH-4 MISSION 1117-2

25X1C

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D EMBA MISSILE TEST CENTER
[REDACTED]

25X1A 48-38-00N 058-03-30E
[REDACTED]

STATUS: OPERATIONAL

REMARKS:
ONLY PORTIONS OF THE AIRFIELD, OPERATIONAL SUPPORT AREA,
AIRFIELD SW, AND THE NEW FACILITY WEST OF THE AIRFIELD SW WERE
OBSERVED. BUILDING CONSTRUCTION HAS CONTINUED AT THE NEW
FACILITY. NO OTHER CHANGES WERE OBSERVED.

25X1D [REDACTED]

25X1D KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR 25X1A 48-41-07N 045-58-53E
[REDACTED]

STATUS: OPERATIONAL

REMARKS:
THE RANGEHEAD WAS NOT COVERED. TRACKING FACILITIES EAST OF THE
RANGEHEAD WERE OBSERVED.

25X1D [REDACTED]

25X1D NENOKSA MISSILE TEST CENTER 25X1A 64-38-58N 039-11-25E
[REDACTED]

REMARKS:
NO LAUNCH SITES OR SUPPORT FACILITIES WERE OBSERVED. A
SMALL PORTION OF THE RAIL SPUR TO THE MAIN SUPPORT AREA WAS
OBSERVED.

25X1D [REDACTED]

PLESETSK MISSILE AND SPACE CENTER
[REDACTED] 25X1D

25X1A 62-57-46N 040-23-46E
[REDACTED]

STATUS: OPERATIONAL

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25X1C

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
MISSILE RANGES

REMARKS:

LAUNCH SITES 5, 7, 9-11, 16, 17, 21, AND 22, DUMMY SITES A AND B, THE MAIN SUPPORT BASE, THE EAST SUPPORT FACILITY, THE MISSILE RECEIVING FACILITY, THE WARHEAD FRAGMENTATION TEST FACILITY, THE RAIL-TO-ROAD TRANSFER POINT, AND THE ICBM RECEIVER STATION WERE OBSERVED. LAUNCH SITES 1-4, 6, AND 8, THE RANGEHEAD TRACKING FACILITY, AND THE NEW AIRFIELD WERE PARTIALLY OBSERVED. NO SIGNIFICANT ACTIVITY WAS OBSERVED.

25X1D

SARY-SHAGAN MISSILE TEST CENTER

25X1A 46-11-05N 072-41-30E

25X1D

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE TEST CENTER EXCEPT TRACKING FACILITIES 6-8 AND 13-16 WAS OBSERVED ON PHOTOGRAPHY OF FAIR-TO-POOR INTERPRETABILITY. AT LAUNCH COMPLEX F, A POSSIBLE SILO IS UNDER CONSTRUCTION AT THE SIXTH POSITION OF LAUNCH SITE 4. THIS IS THE SECOND POSSIBLE SILO OBSERVED UNDER CONSTRUCTION AT SITE 4. ALSO OBSERVED AT COMPLEX F WERE NEW, UNIDENTIFIED GROUND SCARRING AND FENCE REALIGNMENT ADJACENT TO FORMER GRIFFON R + D LAUNCH SITE WEST.

NEW UNIDENTIFIED GROUND SCARRING WAS OBSERVED NEAR FORMER GRIFFON RADAR POSITION C2. A MISSILE CANISTER WAS ERECTED VERTICALLY ON THE LAUNCHER AT POSITION 2A, LAUNCH SITE 2. AT LAUNCH COMPLEX B, A MISSILE CANISTER WAS ERECTED IN THE LAUNCHER AT POSITION C1, AND A SECOND CANISTER WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT C3. NO CANISTERS OR SIGNIFICANT CHANGES WERE OBSERVED AT LAUNCH COMPLEX D.

THREE SA-3 SITES, ONE OF WHICH WAS OCCUPIED, AND AN OCCUPIED SA-2 SITE WERE NEWLY OBSERVED NEAR LAUNCH COMPLEX E. THIS IS THE FIRST TIME SA-3 SITES HAVE BEEN OBSERVED AT SARY-SHAGAN MISSILE TEST CENTER. THE THREE SA-3 SITES ARE AT 45-47N 072-37E, 45-35N 072-32E, AND 45-35N 072-24E. THE SA-2 SITE IS AT 45-35N 072-24E. CONSTRUCTION OF INTERFEROMETERS WAS CONFIRMED AT 45-55-30N 072-50-10E AND 46-06-20N 073-05-30E. (ALL OF THE ABOVE COORDINATES ARE APPROXIMATE.)

THESE INTERFEROMETERS AND TWO OTHER PREVIOUSLY IDENTIFIED TRACKING FACILITIES FORM A BELL-SHAPED INSTRUMENTATION PATTERN

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TOP SECRET RUFF

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
MISSILE RANGES

DOWNRANGE FROM A PROBABLE LAUNCH FACILITY UNDER CONSTRUCTION.
THE PROBABLE LAUNCH FACILITY IS REDESIGNATED LAUNCH COMPLEX G.
THE FOUR ASSOCIATED TRACKING FACILITIES ARE DESIGNATED TRACKING
FACILITIES G1, G2, G3, AND G4.

25X1D

25X1C

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

ALMA-ATA SAM COMPLEX B35-5

25X1A 43-26-30N 076-51-00E

STATUS: UNDER CONSTRUCTION

REMARKS:

THE TRACKING AND GUIDANCE AREA APPEARS TO BE NEARLY COMPLETE.
SEVERAL UNIDENTIFIED OBJECTS WERE OBSERVED AT THE LAUNCH AREA.

25X1D

MOSKVA ABM LAUNCH COMPLEX E03

25X1A 56-23-43N 038-11-19E

25X1D

STATUS: UNDER CONSTRUCTION

REMARKS:

ONLY THE PORTION OF THE COMPLEX CONTAINING THE THREE TRY ADD
BUILDINGS WAS COVERED. NO NEW CONSTRUCTION OR CHANGES IN
FACILITIES WERE OBSERVED.

25X1D

MOSKVA ABM LAUNCH COMPLEX E15

25X1A 55-09-00N 038-22-00E

25X1D

STATUS: UNDER CONSTRUCTION

REMARKS:

CONSTRUCTION ACTIVITY HAS CONTINUED IN THE TRY ADD AREA. A
SMALL LIGHT-TONED OBJECT WAS ON THE PEDESTAL MOUNT ON TRY ADD
BUILDING A. THE EXACT SHAPE AND SIZE OF THE OBJECT COULD NOT
BE DETERMINED. A TRENCH WAS BEING DUG BETWEEN TRY ADD BUILDING
A AND THE LARGE EXCAVATION. A CABLE TRENCH BETWEEN TRY ADD
BUILDINGS B AND C HAS BEEN EXTENDED. ONE END APPARENTLY
TERMINATES NEAR A SUPPORT BUILDING JUST NORTH OF TRY ADD
BUILDING B. THE OTHER TERMINAL POINT COULD NOT BE DETERMINED.
THE FOUNDATION FOR A SMALL BUILDING WAS UNDER CONSTRUCTION JUST
NORTH OF TRY ADD BUILDING C.

25X1D

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

25X1D
MOSKVA ABM LAUNCH COMPLEX E24

25X1A 55-21-10N 036-29-24E

STATUS: OPERATIONAL

REMARKS:
GALOSH CANISTERS WERE ERECTED VERTICALLY IN THE LAUNCHERS AT
POSITIONS 1B1, 1B3, 1C1, 1C3, 1C4, 2B2, AND 2C3. ONE CANISTER
WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT POSITION 1C2.

MISSILE ORDER OF BATTLE:

8 GALOSH CANISTERS 25X1D

25X1D

25X1D
MOSKVA ABM LAUNCH COMPLEX E31

25X1A 56-08-05N 036-29-37E

STATUS: OPERATIONAL

REMARKS:
ONLY EIGHT OF THE 16 LAUNCH POSITIONS WERE OBSERVED. GALOSH
CANISTERS WERE ERECTED VERTICALLY IN THE LAUNCHERS AT POSITIONS
1B2, 1B3, 1C1, 1C2, AND 2B2. A CANISTER WAS ERECTED
HORIZONTALLY IN THE LAUNCHER AT POSITION 1C3.

MISSILE ORDER OF BATTLE:

6 GALOSH CANISTERS 25X1D

25X1D

25X1D
MOSKVA ABM LAUNCH COMPLEX E33

25X1A 56-20-10N 036-48-07E

STATUS: OPERATIONAL

REMARKS:
GALOSH CANISTERS WERE ERECTED VERTICALLY IN THE LAUNCHERS AT
POSITIONS 1B1, 1B2, 1B3, 1C1, 1C2, 1C4, AND 2C4.

MISSILE ORDER OF BATTLE:

25X1D

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TOP SECRET RUFF

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KH-4 MISSION 1117-2

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

7 GALOSH CANISTERS

25X1D

MOSKVA ABM SUPPORT FACILITY BOROVSK

25X1A 55-18-00N 036-33-05E

25X1D

STATUS: OPERATIONAL

REMARKS:

APPROXIMATELY 21 GALOSH CANISTERS WERE OBSERVED AT THE FACILITY. FIVE WERE ON THE EASTERN HARDSTAND, APPROXIMATELY 15 WERE ON THE WESTERN HARDSTAND, AND ONE WAS IN FRONT OF THE LARGE RAIL-SERVED RECEIVING BUILDING.

25X1D

MISSILE ORDER OF BATTLE:

21 GALOSH CANISTERS
(APPROXIMATELY)

25X1D

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KH-4 MISSION 1117-2

25X1C

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

ZHANGIZ TOBE EAST AIRFIELD

25X1A 49-13-25N 081-19-10E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3.2 NM EAST OF ZHANGIZ-TOBE.

25X1D

UPDATED DESCRIPTION. THE AIRFIELD CONSISTS OF A 25X1D

NW/SE SERVICEABLE CONCRETE RUNWAY WITH
A PARALLEL CONCRETE TAXIWAY, TWO END-CONNECTING LINKS, AND TWO
CROSSOVER LINKS. SURFACING WITH CONCRETE BLOCKS WAS COMPLETE
ON ALL EXCEPT ONE END-CONNECTING LINK AND PART OF THE TAXIWAY.
TWELVE HANGARETTE FOUNDATIONS WERE ADJACENT TO THE SE END OF
THE RUNWAY. CONSTRUCTION ALONG THE FLIGHT LINE INCLUDED ONE
QUONSET BUILDING AND SEVEN SUPPORT BUILDINGS.

A CONSTRUCTION SUPPORT CAMP ADJACENT TO THE HANGARETTE
FOUNDATIONS OFF THE SE END OF THE RUNWAY CONSISTS OF 26
PYRAMIDAL TENTS AND A SECURED VEHICLE AND EQUIPMENT PARKING
AREA. A SECOND VEHICLE AND EQUIPMENT PARKING AREA IS
IMMEDIATELY SW OF THE CENTER OF THE TAXIWAY. A SUPPORT AREA
2,500 M (8,200 FT) SW OF THE CENTER OF THE RUNWAY CONSISTS OF
SEVEN BARRACKS, ONE MESSHALL, AND EIGHT SUPPORT AND STORAGE
BUILDINGS. AN AREA OF CONSTRUCTION APPROXIMATELY 975 M (3,200
FT) NW OF THE SUPPORT AREA CONTAINS FOUR LARGE MULTISTORY
FLAT-ROOFED BUILDINGS, THREE SMALLER FLAT-ROOFED BUILDINGS, ONE
ADMINISTRATION BUILDING, AND THREE BUILDINGS UNDER
CONSTRUCTION.

A SECURED POL STORAGE AREA WAS UNDER CONSTRUCTION APPROXIMATELY
2.5 NM WNW OF THE CENTER OF THE RUNWAY. IT CONSISTS OF SIX
OPEN TRENCHES, FOUR OF WHICH CONTAIN A TOTAL OF APPROXIMATELY
100 SMALL HORIZONTAL POL TANKS, AND NUMEROUS OBJECTS IN OPEN
STORAGE. CABLING FOR AN ILS SYSTEM IS OFF THE NW END OF THE
RUNWAY.

AIR ORDER OF BATTLE:

NONE PRESENT

25X1D

25X1D

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KH-4 MISSION 1117-2

25X1C

SOVIET UNION
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

NIKOLAYEV SHIPYARD NOSENKO 444

25X1A

46-56-56N 031-58-13E

STATUS: OPERATIONAL

REMARKS: 25X1D

CONSTRUCTION WAS CONTINUING ON THE 444B HULL. THE UGRA AS WHICH WAS UNDER CONSTRUCTION ON BUILDINGWAY 3 HAD BEEN LAUNCHED BETWEEN [REDACTED] AND WAS FITTING OUT AT THE NORTH QUAY OF THE MAIN BASIN. THE KAPITAN KUSHNARENKO-CLASS MERCHANT SHIP THAT WAS UNDER CONSTRUCTION ON BUILDINGWAY 4 ALSO HAD BEEN LAUNCHED BETWEEN THOSE DATES AND WAS FITTING OUT AT THE EAST QUAY.

25X1D

NAVAL ORDER OF BATTLE:

1 444B HULL	1 MERCHANT SHIP (KAPITAN KUSHNARENKO CLASS)
1 UGRA AS (FITTING OUT)	1 HULL (ON WAY 4)
1 PROB OSKOL AR	1 POSS HULL (ON WAY 3)
1 PRIMORYE AGI	7 MISCELLANEOUS CRAFT
2 MINTAY FFT (1 UCON)	

25X1D

25X1D SEVERODVINSK NAVAL BASE WEST

25X1A 64-34-16N 039-45-51E

STATUS: OPERATIONAL

REMARKS:

THE ARD-T NO 4 WITH THE PROBABLE SS OBSERVED ON THIS MISSION WAS NOT IN THE SAME LOCATION AS THE ONE WITH THE PROBABLE DUMMY G SSB OBSERVED ON [REDACTED]

25X1D

25X1D NAVAL ORDER OF BATTLE:

1 PROB SS (IN ARD-T NO 4)	1 PROB AK
1 ARD-T NO 4	5 SMALL VESSELS (AT LEAST)

25X1D

25X1C

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TCS-21295/72 - IPIR 2
KH-4 MISSION 1117-2

SOVIET UNION
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

BEZRECHNAYA ARMY BARRACKS AL 1

25X1A 50-43-40N 116-09-53E

STATUS: OCCUPIED

REMARKS:

ONE-HUNDRED NINETEEN TANKS OR ASSAULT GUNS, 29 BRDM-2, 11 PTS, FIVE BAT-M, FOUR BTM, 9 TMM, AND POSSIBLY TWENTY-FOUR 57MM AAA PIECES LOCATED AT THIS FACILITY ON [REDACTED] WERE NOT OBSERVED. THIS EQUIPMENT MAY HAVE BEEN MOVED TO BORZYA MILITARY INSTALLATION [REDACTED] WHERE A NEWLY IDENTIFIED POSSIBLE MOTORIZED RIFLE DIVISION HAS BEEN IDENTIFIED THIS MISSION.

25X1D

25X1D GROUND FORCE ORDER OF BATTLE:

74 TANKS OR ASSAULT GUNS
346 TRUCKS

218 VEHICLES/PIECES OF
EQUIP

25X1D

BORZYA MIL INSTLN

25X1A 50-21-05N 116-27-20E

25X1D

STATUS: OCCUPIED

REMARKS:

A POSSIBLE MOTORIZED RIFLE DIVISION WAS IDENTIFIED IN A NEW VEHICLE PARK AT THIS INSTALLATION. ONLY A MOTOR TRANSPORTATION BATTALION HAD BEEN HERE ON [REDACTED]. MAJOR ITEMS INCLUDED IN THE NEWLY ARRIVED EQUIPMENT WERE 124 POSSIBLE TANKS, SIX POSSIBLE ARTILLERY PIECES, FOUR POSSIBLE AAA PIECES, 60 POSSIBLE PRIME MOVERS, 18 PROBABLE PMP, AND 11 PROBABLE PTS. THIS EQUIPMENT APPEARS TO HAVE BEEN RELOCATED FROM MIRNAYA ARMY BARRACKS AL 1 [REDACTED] AND BEZRECHNAYA ARMY BARRACKS AL 1 [REDACTED], WHICH WERE OBSERVED ON THE SAME DAY AS BORZYA AND WERE MISSING ALL OF THE ABOVE-TYPE EQUIPMENT.

A LARGE TENT ENCAMPMENT CONSISTING OF 92 PYRAMIDAL TENTS, 44 LARGE TENTS, AND NUMEROUS SMALL SHEDS WAS OBSERVED ADJACENT TO THE GROUND FORCE EQUIPMENT.

THIS INSTALLATION REMAINS IN THE EARLY STAGES OF CONSTRUCTION WITH ONLY FIVE NEW BUILDINGS AND TWO FOUNDATIONS NEWLY UNDER CONSTRUCTION SINCE [REDACTED]

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TCS-21295/72 - IPIR 2 25X1C SOVIET UNION
KH-4 MISSION 1117-2 GROUND FORCE FACILITIES

25X1D

GROUND FORCE ORDER OF BATTLE:

--- NEW VEHICLE PARK

124 POSS TANKS

6 POSS FIELD ARTILLERY
PIECES

4 POSS AAA PIECES

18 PROB PMP

11 PROB PTS

60 POSS PRIME MOVERS

280 VEHICLES/PIECES OF
EQUIP (AT LEAST)

25X1D

--- OLD VEHICLE PARK

100 TRUCKS

50 VEHICLES/PIECES OF EQUIP

25X1D

[REDACTED]

CHERKASSY ARMY BARRACKS AL 1

25X1A 49-26-26N 032-02-51E

25X1D

[REDACTED]

[REDACTED]

STATUS:OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

100 VEHICLES/PIECES OF
EQUIP (AT LEAST)

25X1D

[REDACTED]

25X1D

KRIVROY ROG ARMY BARRACKS AL 2

25X1A 47-53-00N 033-14-50E

[REDACTED]

[REDACTED]

STATUS:OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

600 VEHICLES/PIECES OF
EQUIP (AT LEAST)

25X1D

[REDACTED]

25X1D

LUBNY ARMY BARRACKS SULA RIVER AL 1

25X1A 50-01-17N 033-01-19E

[REDACTED]

[REDACTED]

STATUS:OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

[REDACTED]

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25X1C

SOVIET UNION
GROUND FORCE FACILITIES

20 PROB PMP BRIDGE UNITS

37 VEHICLES/PIECES OF EQUIP

25X1D

25X1D MIRNAYA ARMY BARRACKS AL 1

25X1A 50-45-40N 116-04-05E

STATUS:OCCUPIED

REMARKS:

AN ARTILLERY REGIMENT AND A ROCKET LAUNCHER BATTERY PREVIOUSLY
LOCATED IN A SEPARATELY SECURED AREA EAST OF THE INSTALLATION
WERE NOT PRESENT. A SEPARATELY SECURED ENGINEERING BATTALION
WITHIN THE INSTALLATION WAS ALSO ABSENT. MAJOR PIECES OF
EQUIPMENT OF THESE UNITS PRESENT ON
INCLUDED THIRTY-SIX 122MM HOWITZERS, EIGHTEEN 152MM HOWITZERS,
SIX BM-14/24, 10 ATP, 62 AT-L, 18 PMP, THREE T-55 MTU, AND SIX
BMK-150. THIS EQUIPMENT MAY HAVE BEEN MOVED TO BORZYA MILITARY
INSTALLATION WHERE A NEWLY IDENTIFIED POSSIBLE
MOTORIZED RIFLE DIVISION WAS OBSERVED THIS MISSION. ONE
ADDITIONAL ARTILLERY REGIMENT AND ONE ENGINEERING BATTALION
WERE STILL AT THE MIRNAYA BARRACKS.

GROUND FORCE ORDER OF BATTLE:

4 TRACKED VEHICLES	2 PTS
54 FIELD ARTILLERY PIECES	2 PROB PKP
10 PROB FIELD ARTILLERY PIECES	9 PROB K-61 TRACKED AMPHIBIANS
14 PROB PMP	165 VEHICLES/PIECES OF EQUIP (AT LEAST)
6 GSP	

OTHER RESULTS-NO APPARENT CHANGE

NIZHNIY TAGIL WEAPONS TEST RANGE

25X1A 57-52-00N 060-19-40E

STATUS:OPERATIONAL

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1C

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25X1C

SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1D BRYANSK GUIDED MISSILE SPT EQUIP P II

25X1A 53-17-10N 034-23-45E

STATUS: OPERATIONAL

25X1D MISSILE ORDER OF BATTLE:

15 PROB SS-4/5 ERECTORS 5 POSS SS-7 TRANSPORTERS
3 PROB SS-11 SHIP + LAUNCH
CONT

25X1D

25X1D KAZAN AIRFRAME PLANT GORBUNOV 22

25X1A 55-51-38N 049-06-55E

STATUS: OPERATIONAL

25X1D ASSOCIATED OBJECTS:

-- AT THE PLANT

3 BACKFIRE A 1 COKE
19 BLINDER 1 CRATE
5 BADGER 5 CAB
2 CLASSIC

25X1D -- AT DERELICT RUNWAY

1 CAB 2 SMALL STRAIGHT-WING

25X1D

25X1D LUKHOVITSY AIRFRAME PLT

25X1A 54-54-30N 039-02-25E

STATUS: OPERATIONAL

25X1D ASSOCIATED OBJECTS:

1 BEAGLE 1 COLT
68 FLOGGER 1 PROB CLOD
8 FISHBED 25X1D 20 FISHBED FUSELAGE CRATES
1 CAMEL/COOKER (13 AT CRATING FACILITY)
1 COOKPOT
1 COOT

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25X1C

SOVIET UNION
INDUSTRY

25X1D

[REDACTED]

25X1D

NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA445

25X1A 46-58-40N 032-00-19E

STATUS: OPERATIONAL

25X1D

NAVAL ORDER OF BATTLE:

2 445B CLGM (1 UCON ON WAY
2)

3 SIBIR REFRIGERATOR SHIPS
7 MISCELLANEOUS CRAFT (1 IN
ARD-D)

4 KASHIN DLG
2 KILDIN DDGS (UNDER
CONVERSION)

25X1D

[REDACTED]

NIZHNIY TAGIL MIL EQP TEST/TNG AREA 2

25X1A 57-53-//N 059-48-//E

25X1D

STATUS: ABANDONED

REMARKS:

NO ACTIVITY WAS OBSERVED IN THE AREA.

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

[REDACTED]

25X1D

NOVOSIBIRSK AIRFRAME PLT CHKALOV 153

25X1A 55-04-01N 082-59-10E

25X1D

STATUS: OPERATIONAL

REMARKS:

AN EXCAVATION FOR A PROBABLE PARKING APRON WAS OBSERVED
ADJACENT TO THE WEST SIDE OF THE ASSEMBLY/REPAIR HANGAR. A
TRENCH WITH A STEAMLINE EXTENDS FROM THE STEAM PLANT TO THE
H-SHAPED BUILDING AT THE AIRFIELD. THIS BUILDING WAS FIRST
OBSERVED IN [REDACTED]

25X1D

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25X1C

SOVIET UNION
INDUSTRY

25X1D

ASSOCIATED OBJECTS:

--- AT THE PLANT

7 FLAGON B/MOD A

3 FAGOT/FRESCO

1 PROB CAMP

25X1D

1 CAB

1 SMALL STRAIGHT-WING

25X1D

PERM AC ENGINE PLANT STALIN 19

25X1A 57-58-34N 056-15-14E

STATUS: OPERATIONAL

25X1D

25X1D

REMARKS:

A MULTI-STORY ADMINISTRATION/ENGINEERING SECTION, FIRST OBSERVED UNDER CONSTRUCTION ON THE SE CORNER OF THE LARGE SHOP/ASSEMBLY BUILDING IN THE SE PLANT AREA IN [REDACTED] WAS IN THE FINAL STAGE OF CONSTRUCTION. THE ADDITION TO THE NW CORNER OF THE FABRICATION/ASSEMBLY BUILDING IN THE NW PLANT AREA, FIRST SEEN UNDER CONSTRUCTION IN [REDACTED], WAS COMPLETE. A SMALL ADDITION TO THE MACHINE SHOP IN THE SW PLANT AREA WAS IN THE LATE STAGE OF CONSTRUCTION. FOOTINGS FOR A PROBABLE SHOP BUILDING WERE OBSERVED IN THE AREA WEST OF THE LARGE ASSEMBLY BUILDING SOUTH OF THE MAIN PLANT AREA.

25X1D

25X1D

25X1D

RAMENSKOYE FLIGHT TEST CENTER

25X1A 55-33-45N 038-07-05E

STATUS: OPERATIONAL

25X1D

REMARKS:

A RAM-H WAS OBSERVED IN THE MYASISHCHEV AREA ON [REDACTED] FIVE BACKFIRE WERE OBSERVED IN THE TUPOLEV AREA, ONE HAD THE GEAR PODS REMOVED. TWO PROBABLE RAM-G WERE IN THE YAKOVLEV AREA. A PROBABLE RAM-F WAS OBSERVED IN THE SUKHOY AREA. A NEWLY IDENTIFIED HELICOPTER PAD WAS OBSERVED IN THE MIL AREA.

25X1D ASSOCIATED OBJECTS:

--- MIL AREA

2 HOOK

15 MEDIUM HELICOPTERS (AT LEAST)

--- MYASISHCHEV AREA

25X1D

55

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25X1C

SOVIET UNION
INDUSTRY

1 RAM-H
2 BISON
1 BOUNDER 25X1D

2 COOT
2 SMALL DELTA-WING

-- FLIGHT DECK TEST STRUCTURE

1 PROB FREEHAND 25X1D

-- ON THE RUNWAY

1 BADGER 25X1D

1 COOT

-- TRANSIENT AREA

4 BREWER/FIREBAR
3 COOKER/CAMEL (1 W/POINTED
NOSE)
1 CODLING
2 COOT 25X1D

4 CAT/CUB
4 COKE/CURL
1 CAB
1 PROB CRATE
1 HOOK

RAMENSKOYE FTC AREA 1

25X1A 55-34-15N 038-09-15E

25X1D

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- TEST AND DERLICT AREA

1 DELTA-WING BOMBER (STATIC
TEST MODEL)

25X1D

-- IN TUPOLEV AREA

5 BACKFIRE A (1 W/O GEAR
PODS)

2 BEAR

1 BLINDER

2 FIDDLER 25X1D

2 CARELESS

2 CAMEL

3 CRUSTY (2 STRETCHED)

1 COOKPOT

25X1D

RAMENSKOYE FTC AREA 2

25X1A 55-34-24N 038-08-19E

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

-- IN SUKHOY AREA

1 BADGER

1 CAMEL/COOKER

25X1D

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25X1C

SOVIET UNION
INDUSTRY

2 BEAGLE
1 PROB RAM-F
4 FLAGON

2 COOT
2 COLT
5 DELTA/SWEPT-WING

25X1D [REDACTED] -- IN MIKOYAN AREA

4 FOXBAT
2 PROB FOXBAT
1 PROB FLOGGER

9 DELTA/SWEPT-WING
1 U/I FUSELAGE

25X1D [REDACTED] -- IN YAKOVLEV AREA

2 PROB RAM-G
4 FIREBAR/BREWER
1 POSS FREEHAND

3 CODLING (1 STRETCHED)
1 SMALL STRAIGHT-WING

25X1D [REDACTED]

RAMENSKOYE FTC AREA 3

25X1A 55-34-10N 038-07-55E

[REDACTED] 25X1D

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

[REDACTED] -- IN EAST PARKING AREA

6 BADGER
1 BLINDER 25X1D
7 FOXBAT 25X1D

2 COOKPOT
1 CRUSTY
2 DELTA/SWEPT-WING

[REDACTED] -- IN CROSSOVER AREA

1 BADGER
2 CAMEL/COOKER 25X1D

29 DELTA/SWEPT-WING

RAMENSKOYE FTC AREA 4

25X1A 55-34-12N 038-07-28E

[REDACTED] 25X1D

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

[REDACTED] -- IN ILYUSHIN AREA

3 BEAGLE
1 CANDID (TAIL PROTRUDING
FROM HANGAR)
3 CLASSIC
1 CAMEL/COOKER

4 COOT
1 CAT/CUB 25X1D
[REDACTED]
5 DELTA/SWEPT-WING

25X1D

57

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25X1D

25X1C

SOVIET UNION
INDUSTRY

25X1D
SEVERODVINSK NAVAL MISSILE SUPPORT FAC

25X1A 64-33-45N 039-46-30E

STATUS: OPERATIONAL

MISSILE ORDER OF BATTLE:

10 POSS VEHICLES 25X1D

25X1D
SEVERODVINSK NUC SUB SPECIAL SPT FAC

25X1A 64-34-55N 039-46-36E

STATUS: OPERATIONAL

REMARKS:

THE STATUS OF THE Y SSBN IN OVERHAUL COULD NOT BE DETERMINED
BECAUSE OF THE POOR INTERPRETABILITY OF THE PHOTOGRAPHY.
CONSTRUCTION CONTINUED ON THE QUAY EXTENSION.

NAVAL ORDER OF BATTLE:

1 Y SSBN 25X1D
1 PROB ZEYA YRSN
1 BUSSARD AKL

2 CARGO SUPPORT BARGES
2 RECTANGULAR SPT BARGES
4 YAGT

25X1D
SEVERODVINSK SHIPYARD YAGRY ISLAND

25X1A 64-35-11N 039-48-52E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED ON THE FABRICATION BUILDING.

25X1D NAVAL ORDER OF BATTLE:

1 402M SSB (ON BASIN SHELF)
1 402K SSB (ALONG QUAY)
1 G SSB (ON BASIN SHELF)
2 E-II SSGN (1 ON BASIN

1 IRTYSH ASL
1 OKHTENSKIY ATR
2 RECTANGULAR SPT BARGES
2 SMALL VESSELS (ALONGSIDE)

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25X1C

SOVIET UNION
INDUSTRY

SHELF, 1 IN ARD-D)
1 MP-8 LSM
25X1D

402K SSB)

SEVERODVINSK SHIPYARD 402

25X1A

64-34-42N 039-49-09E

25X1D

STATUS: OPERATIONAL

REMARKS:

A Y SSBN WAS ON LAUNCH RAIL C AT THE MAIN CONSTRUCTION HALL. A SHIELD WAS OVER THE PROPELLER SECTION. FLOTATION DEVICES HAD NOT BEEN AFFIXED, INDICATING THAT THE VESSEL HAD BEEN LAUNCHED QUITE RECENTLY. THE 402N SSBN REMAINED AT POSITION III AT THE QUAY. THE MISSILE TUBE AREA WAS STILL COVERED, AND A PORTAL JIB WAS IN POSITION OVER THE SAIL. THE BOW OF THE Y SSBN AT POSITION II WAS IN A CRANE SHADOW. FOUR STARBOARD AFT TUBES WERE OPEN. A Y SSBN AT POSITION IV HAD A WHITE SONAR. FOUR STARBOARD TUBES WERE OPEN, AND THE DECK WAS HEAVILY CLUTTERED. THE POSSIBLE E-II SSGN AT POSITION I WAS SCREENED AND APPEARED TO HAVE ACTIVITY AFT OF THE SAIL. THE POSSIBLE P SSGN AT POSITION V WAS NOT SCREENED.

NAVAL ORDER OF BATTLE:

25X1D

1 402N SSBN
3 Y SSBN
1 POSS P SSGN
1 POSS E-II SSGN
1 PM-124 YRSN
2 POSS 402C YRSN
1 112B YRSN
1 925 YRSN

1 402H CATAMARAN (IN LAUNCH
BASIN)
2 PROB SUPPORT BARGES
1 ARD-D
5 RECTANGULAR SPT BARGES
1 PROB ATA
4 SMALL VESSELS (1 IN
ARD-D)

25X1D

ASSOCIATED OBJECTS:

13 PRESSURE HULL SECTIONS
(AT LEAST)

1 CAISSON GATE

25X1D

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25X1C

SOVIET UNION
INDUSTRY

OTHER RESULTS-NO APPARENT CHANGE

25X1D

KAZAN AIRFRAME PLANT A-387

25X1A 55-48-01N 049-02-51E

STATUS: OPERATIONAL 25X1D

25X1D

MOSKVA AC ENG RSCH FACILITY TSIAM

25X1A 55-45-43N 037-42-43E

STATUS: OPERATIONAL 25X1D

25X1D

MOSKVA AIRFRAME PLANT FILI 23

25X1A 55-45-24N 037-29-26E

STATUS: OPERATIONAL 25X1D

25X1D

ZLATOUST ARMAMENT PLANT 66

25X1A 55-06-39N 059-42-01E

STATUS: OPERATIONAL

25X1D

WWIPR CODES

<u>Status (STA:)</u>	<u>OB</u>	<u>Interpretability</u>
NEG - Negated	MIS: Missiles	E - Excellent
UCO - Under Const	AOB: Air	G - Good
COM - Complete	NVL: Naval	F - Fair
UKN - Unknown	GFW: Grd Force	P - Poor
NOP - Not Oprtl	ELC: Electronic	
OPR - Operat'l	AAA: Antiair	<u>Conditions</u>
OCC - Occupied	OBJ: Assoc Objs	CL - Clear
UNP - Unoccupied		SC - Scattered Cloud
ABN - Abandoned	<u>Mode</u>	HC - Heavy Cloud
RMV - Removed	W - Stereo/Blk & White	HA - Haze
TRN - Transitory	P - Part Stereo/ Blk & White	SN - Snow
DMG - Damaged	B - Mono Blk & White	SH - Shadow
DST - Destroyed	S - Stereo/Color	OL - Obliquity
	A - Part Stereo/ Color	SD - Semi- darkness
	C - Mono Color	HD - Heavy Dust/ Smoke
	D - Camouflage Detection	<u>Coverage</u>
	F - Infrared	C - Complete
	R - Radar	P - Partial
	N - Nonstandard	O - Oblique
		V - Vertical
<u>General</u>		
IMR: Image Ref (Photo Ref)		
DES: Description		
RMK: Remarks		
IDC: Image Derived Coord.		
MPR: Map Ref		
DFC: Defenses/ Security		

25X1C

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